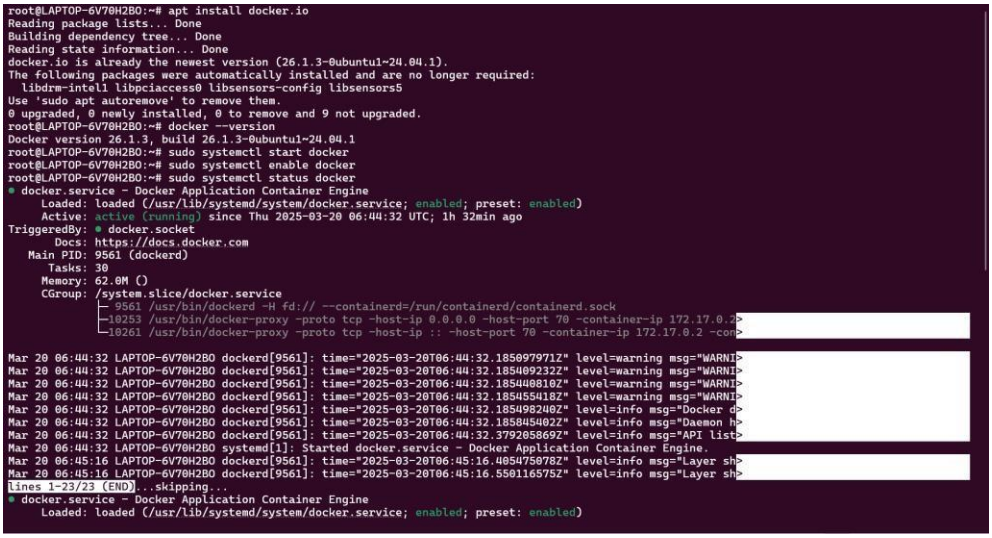
DEVOPS TASK- 2

1) Installation of Docker:

   CODE :

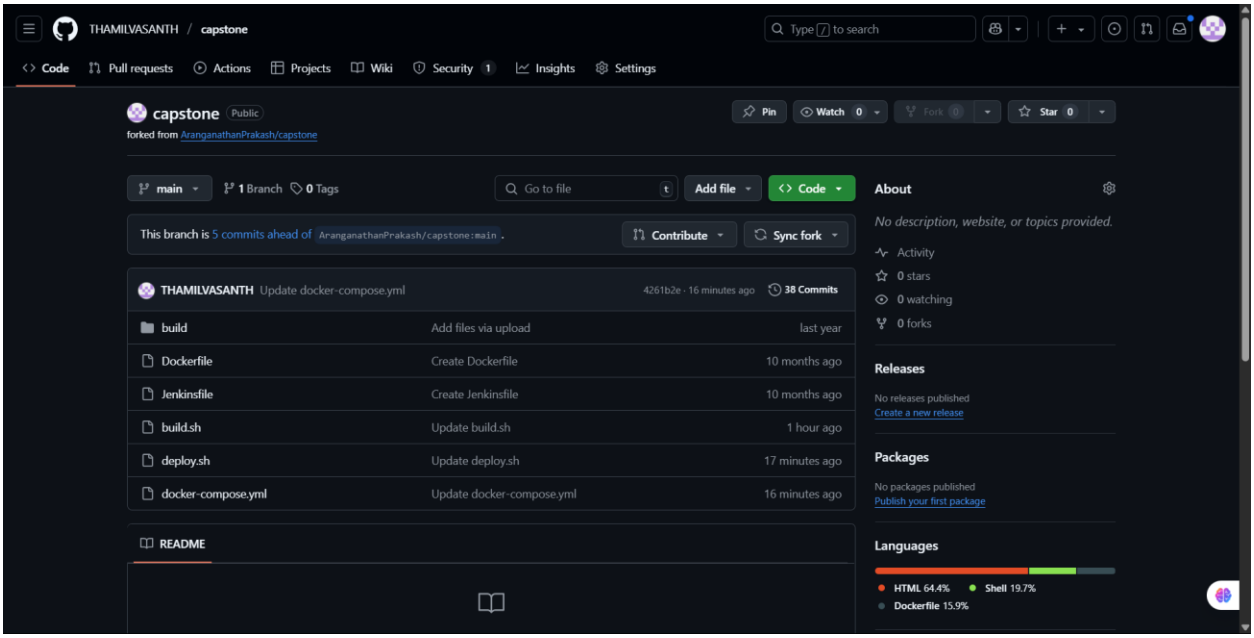
   sudo apt install docker.io
   Docker –version
   sudo systemctl start docker
   sudo systemctl enable docker
   sudo systemctl status docker

   SCREENSHOT:



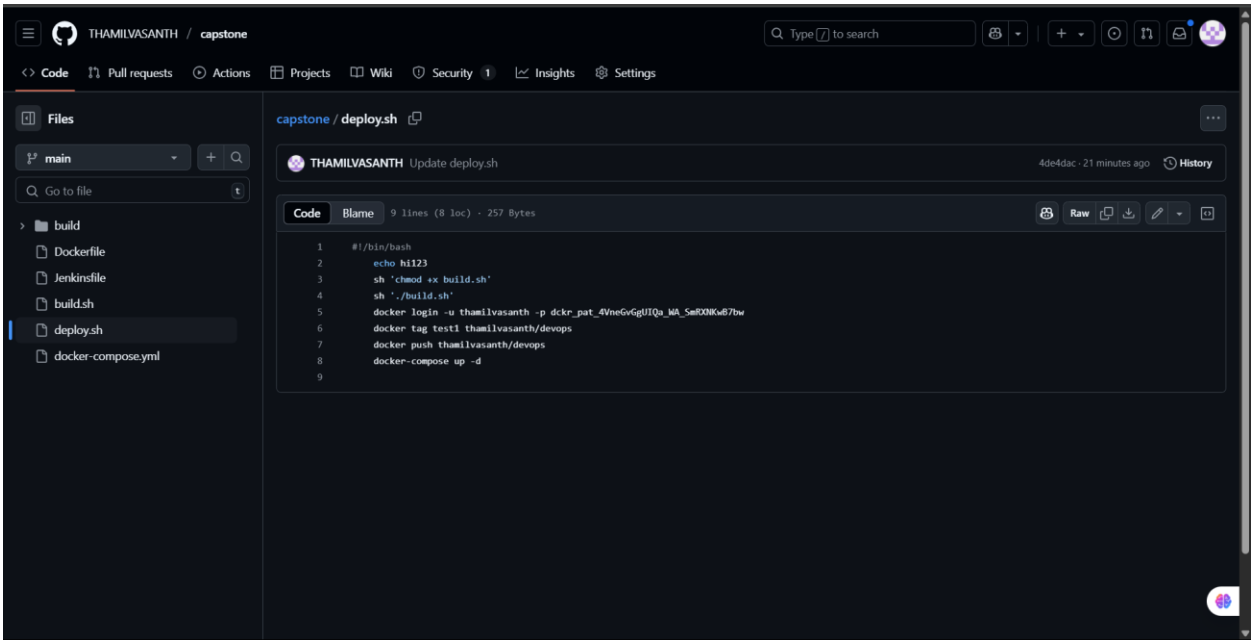
2) Fork a copy of a GitHub repo which contains the necessary files which will result in the clone of that repo in our own repository

SCREENSHOT :



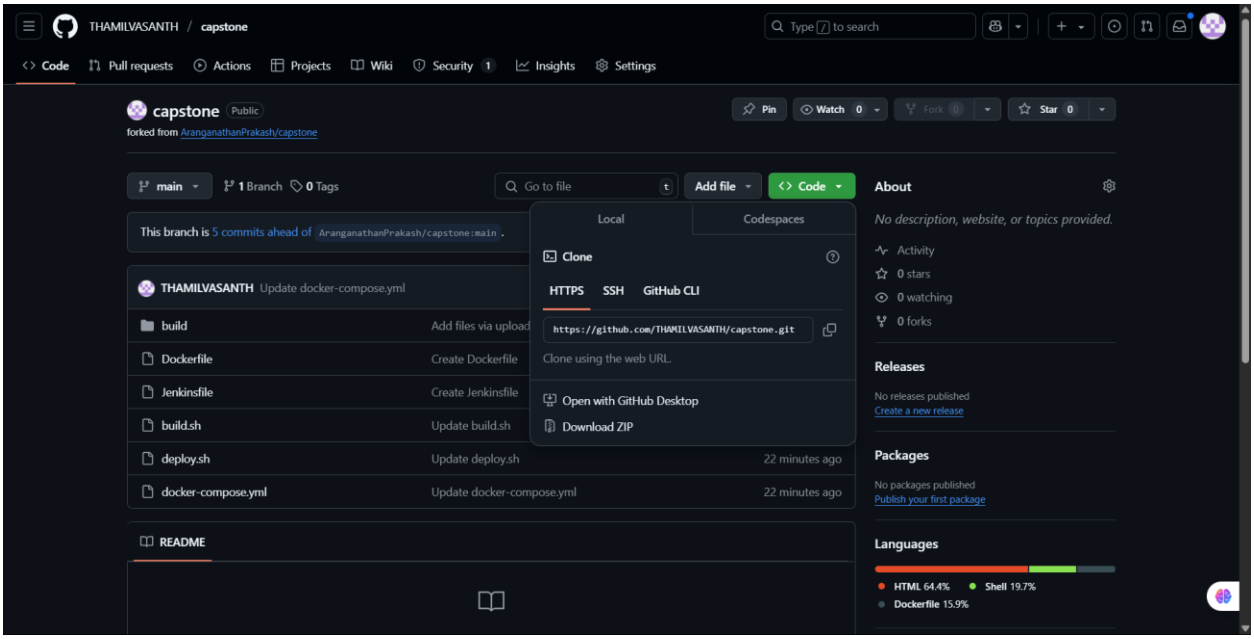
3) Then change the token and repo name of the docker Hub in the deploy.sh file which is in our repository.

SCREENSHOT :



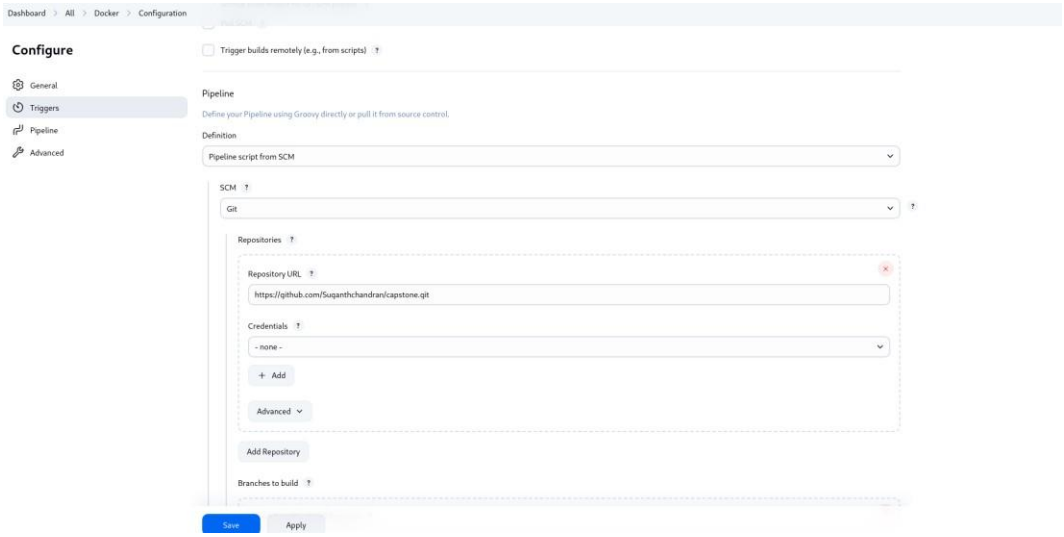
4) Then copy the GitHub link of the repository and go to Jenkins.

SCREENSHOT:



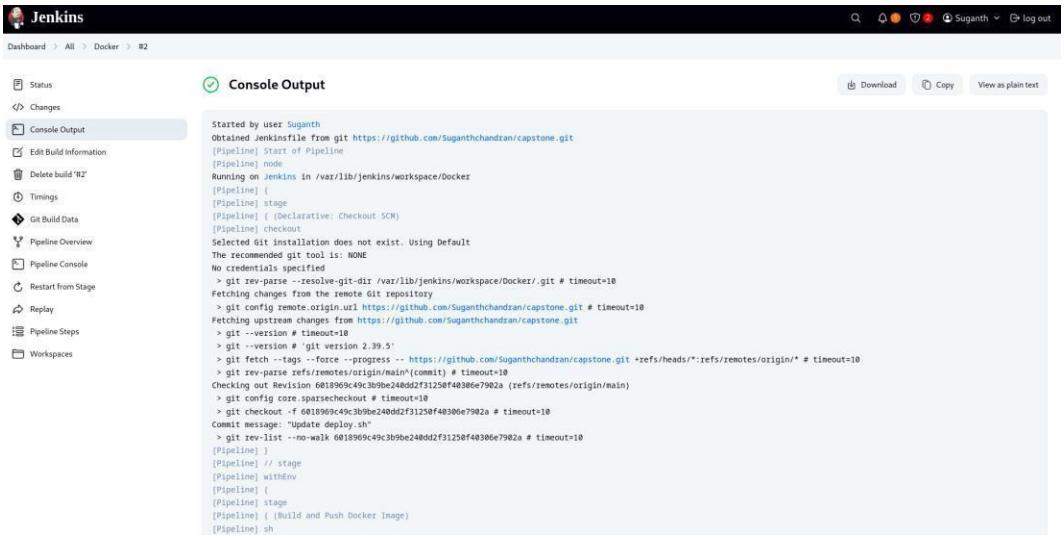
5) In Jenkins, create a new item (Job) with a type pipeline and add the copied GitHub url to it with the correct branch and Jenkinsfile.

SCREENSHOT:



6) After Creating the job, build it and it will give the console output and the docker image will be created.

SCREENSHOT:



7) Now Built this docker image in the terminal with desired port number to it.

CODE:

docker images

docker build –itd –p 70:80 test1

SCREENSHOT:

```
100 71.4M  100 71.4M    0     0  3588k      0  0:00:20  0:00:20 --:--:-- 6080k
thamil@LAPTOP-EIEIUD80:~$ sudo chmod +x /usr/local/bin/docker-compose
thamil@LAPTOP-EIEIUD80:~$ docker-compose --version
Docker Compose version v2.34.0
thamil@LAPTOP-EIEIUD80:~$ docker images
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Head
nix /var/run/docker.sock: connect: permission denied
thamil@LAPTOP-EIEIUD80:~$ sudo docker images
[sudo] password for thamil:
REPOSITORY             TAG       IMAGE ID       CREATED             SIZE
test1                  latest    6ccc996c980c   About an hour ago   195MB
thamilvasanth/devops   latest    6ccc996c980c   About an hour ago   195MB
test                   latest    151f7dac60e1   5 hours ago         192MB
thamilvasanth/devops   <none>    151f7dac60e1   5 hours ago         192MB
hello-world            latest    74cc54e27dc4   8 weeks ago         10.1kB
thamil@LAPTOP-EIEIUD80:~$ color a
Command 'color' not found, did you mean:
  command 'mcolor' from deb mblaze (1.1-1)
Try: sudo apt install <deb name>
thamil@LAPTOP-EIEIUD80:~$ history
    1  sudo systemctl status jenkins
    2  sudo apt update
    3  sudo apt upgrade
    4  sudo apt upgrade --fix-missing
    5  sudo apt-get install docker.io
```

8) Go to the Browser and search for localhost:<PORT_NUMBER> and the respective application will be hosted.

SCREENSHOT: